

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000886.D
 Acq On : 05 Dec 2019 17:04
 Operator : SY/MD
 Sample : K6113-01
 Misc : 7.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-120519

Quant Time: Dec 06 04:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

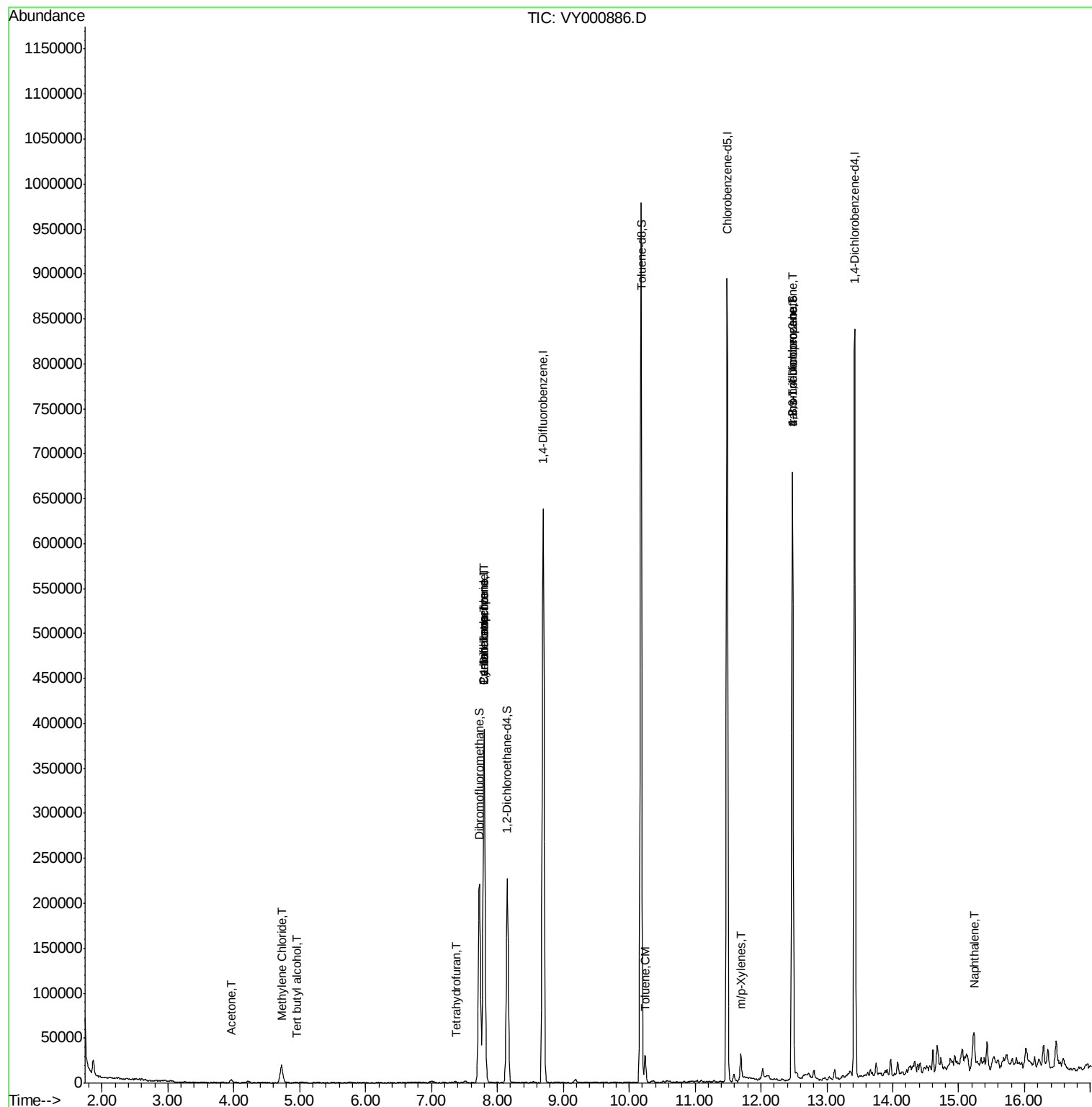
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	296605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	547053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	482799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	206208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	166377	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
35) Dibromofluoromethane	7.73	113	156341	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
50) Toluene-d8	10.18	98	648624	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.48	95	217314	45.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.65	94	80	Below Cal	#	76
11) Tert butyl alcohol	4.95	59	380	1.198	ug/l #	74
16) Acetone	3.97	43	5696	7.878	ug/l #	87
20) Methylene Chloride	4.72	84	13269	3.482	ug/l #	80
29) Tetrahydrofuran	7.37	42	1106	1.250	ug/l #	71
31) Cyclohexane	7.79	56	6773	1.012	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	23409	4.304	ug/l #	48
38) Carbon Tetrachloride	7.79	117	30544	6.305	ug/l #	16
52) Toluene	10.24	92	12703	1.295	ug/l	97
68) m/p-Xylenes	11.70	106	9178	1.308	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	106040	45.388	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	106040	89.154	ug/l #	18
95) Naphthalene	15.23	128	24869	2.520	ug/l #	89

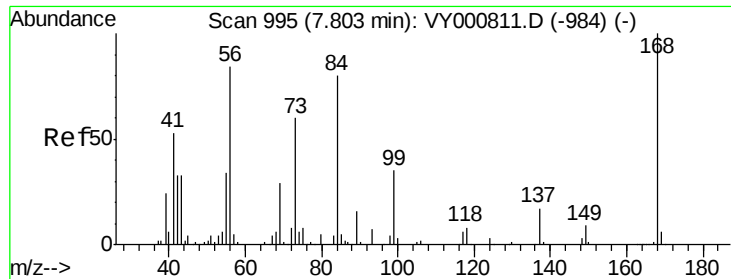
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

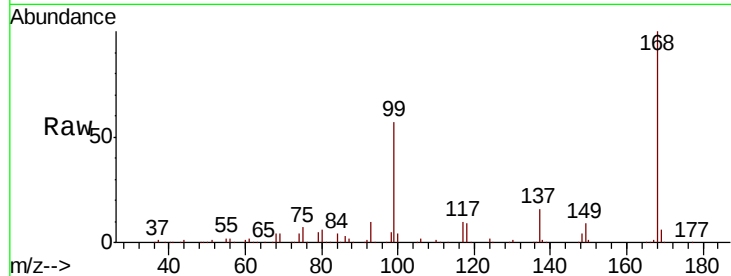
OR-03-120519

Tot Ion:168 Resp: 296605

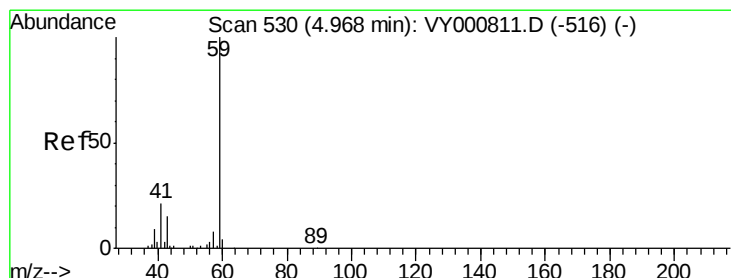
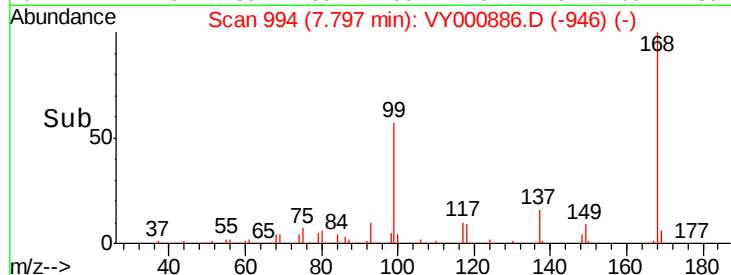
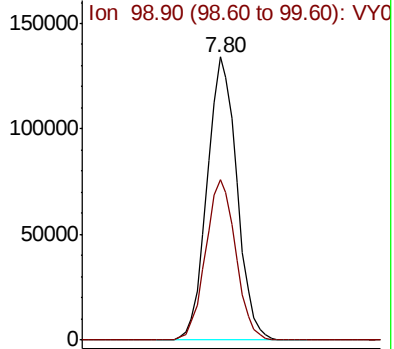
Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000886.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.198 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY000886.D

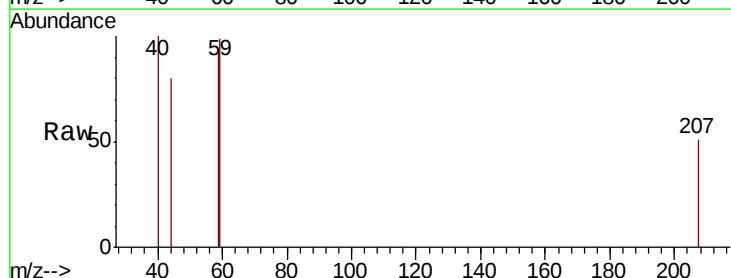
Acq: 05 Dec 2019 17:04

Tgt Ion: 59 Resp: 380

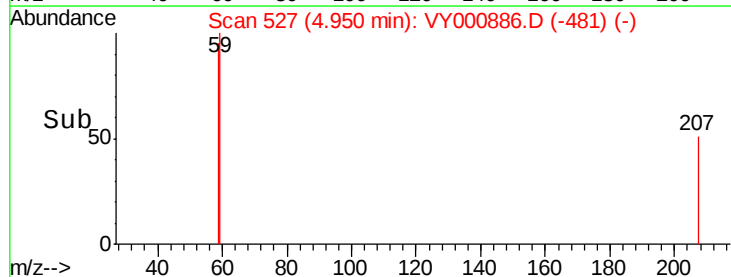
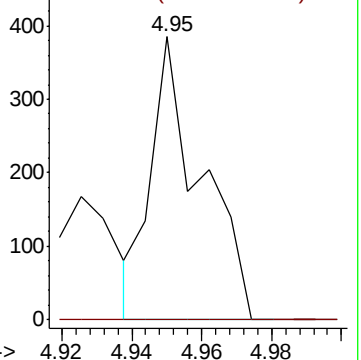
Ion Ratio Lower Upper

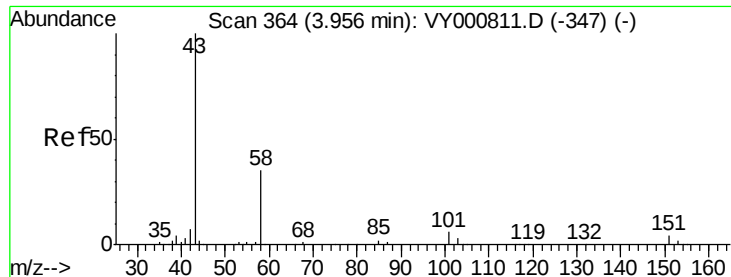
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000886.D (-481) (-)





#16

Acetone

Concen: 7.878 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

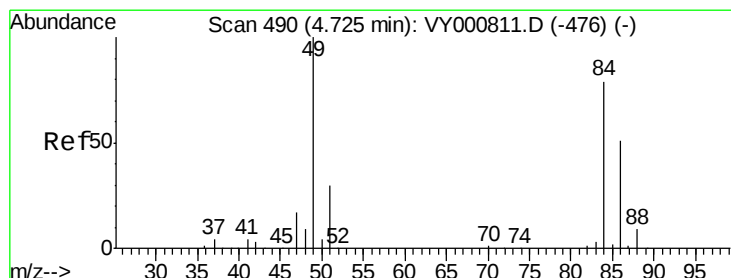
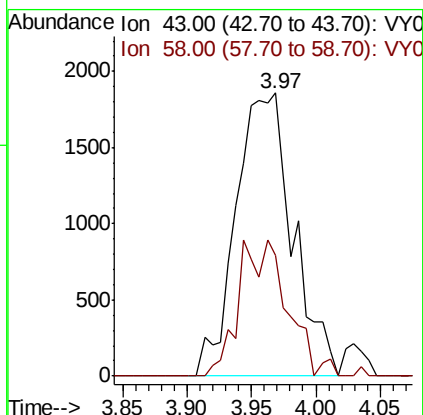
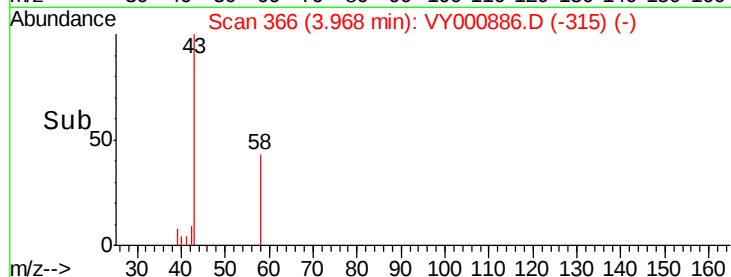
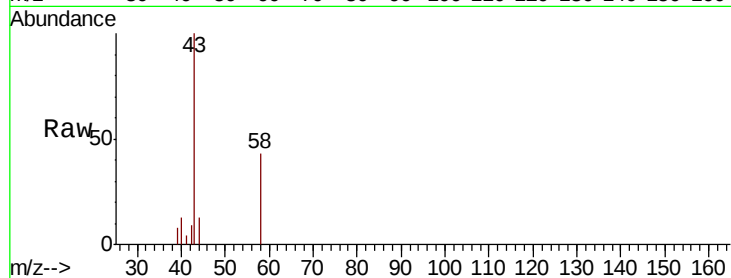
OR-03-120519

Tot Ion: 43 Resp: 5696

Ion Ratio Lower Upper

43 100

58 42.8 28.0 42.0#



#20

Methylene Chloride

Concen: 3.482 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Tgt Ion: 84 Resp: 13269

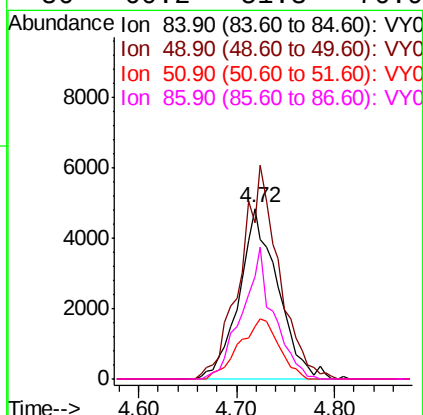
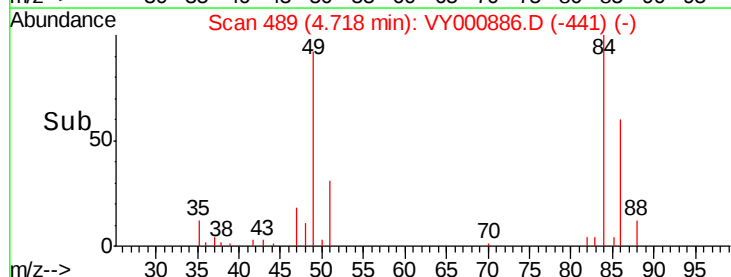
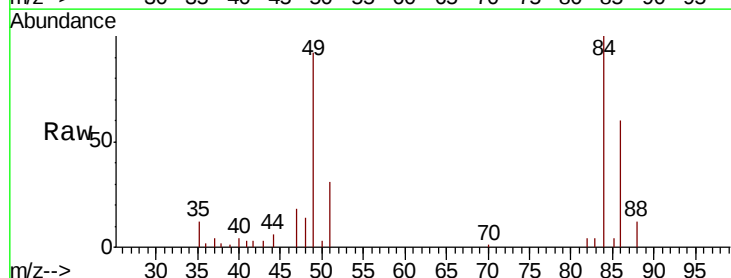
Ion Ratio Lower Upper

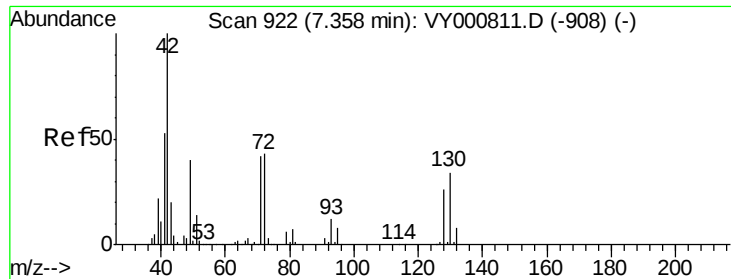
84 100

49 91.7 101.3 151.9#

51 31.1 30.6 45.8

86 60.2 51.3 76.9

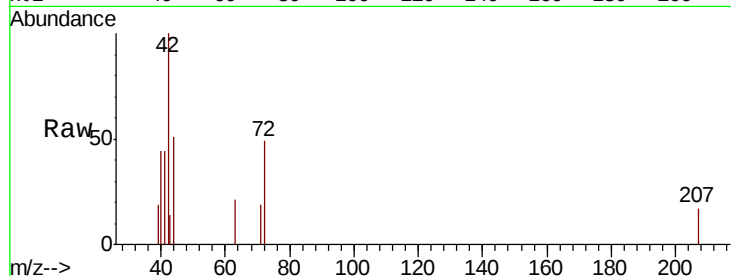




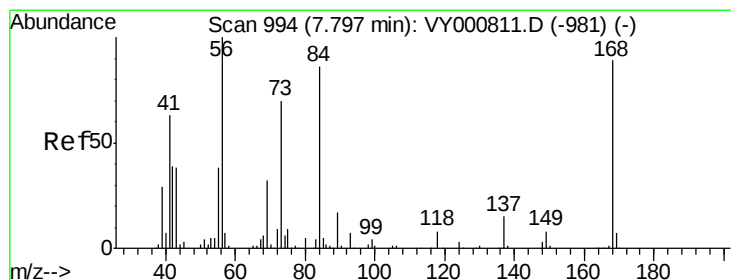
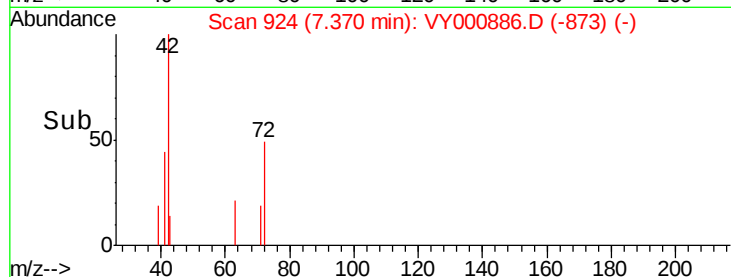
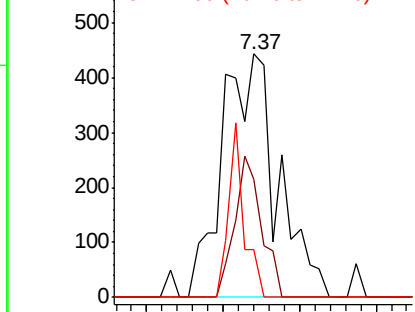
#29
Tetrahydrofuran
Concen: 1.250 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-120519

Tot Ion: 42 Resp: 1106
Ion Ratio Lower Upper
42 100
72 28.2 35.1 52.7#
71 19.7 32.8 49.2#

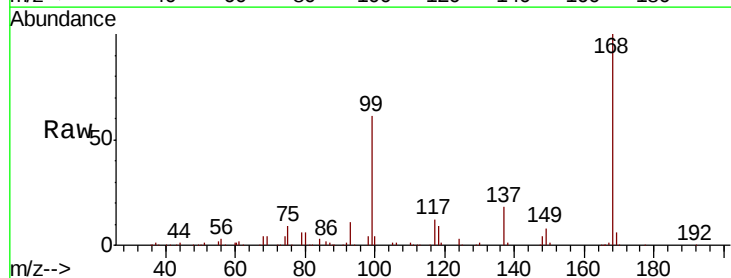


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

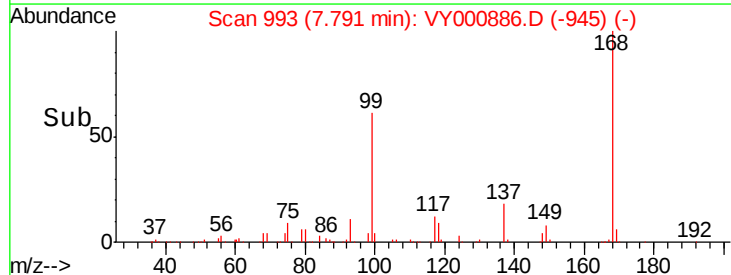
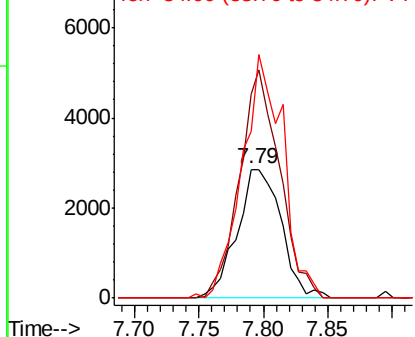


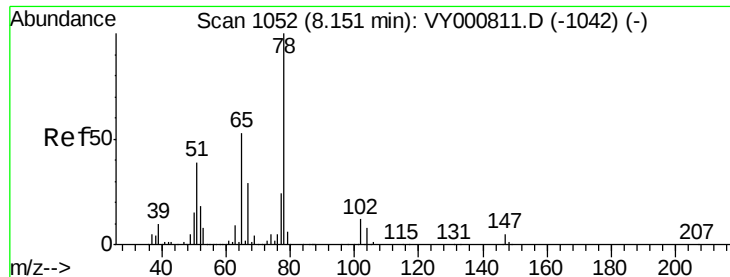
#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Tgt Ion: 56 Resp: 6773
Ion Ratio Lower Upper
56 100
69 158.5 25.9 38.9#
84 129.5 68.6 102.8#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.790 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

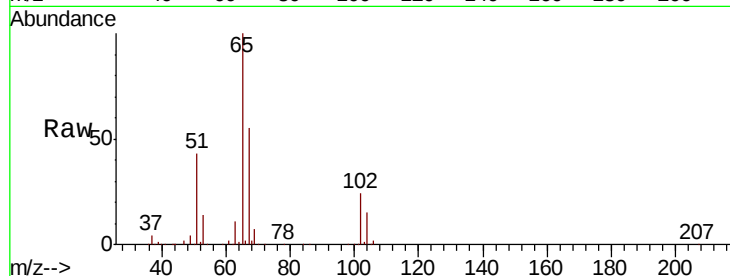
OR-03-120519

Tot Ion: 65 Resp: 166377

Ion Ratio Lower Upper

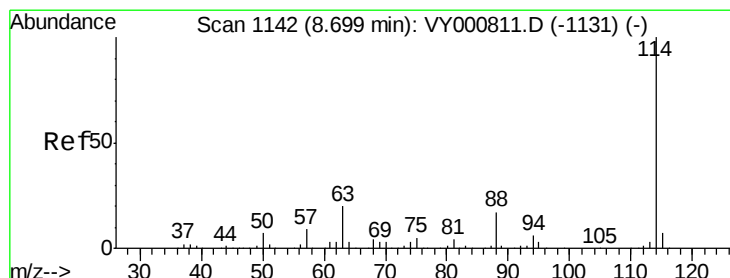
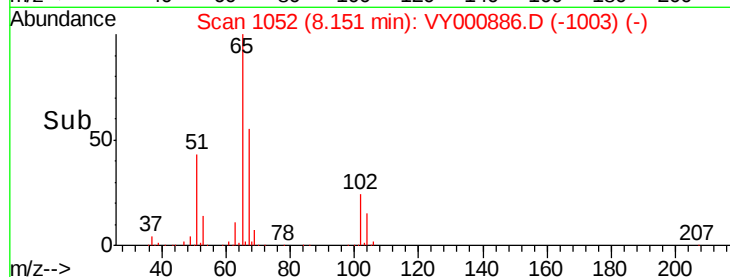
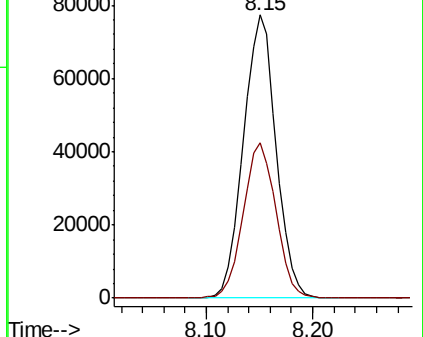
65 100

67 55.0 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

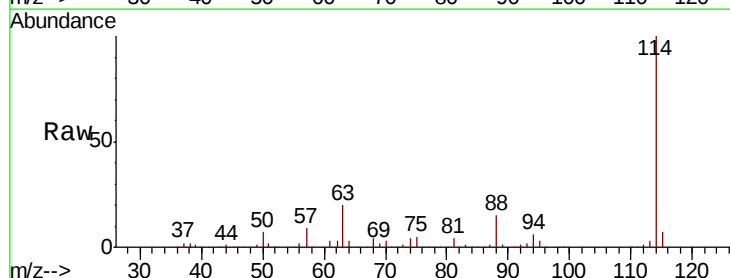
Tgt Ion: 114 Resp: 547053

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

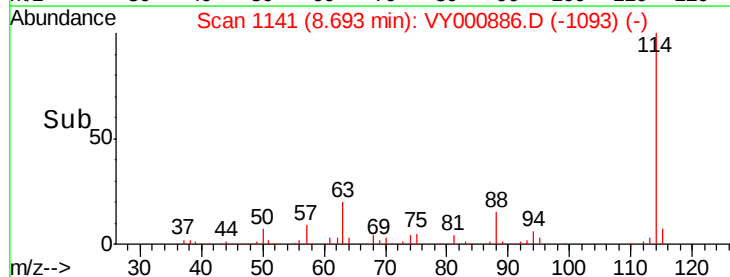
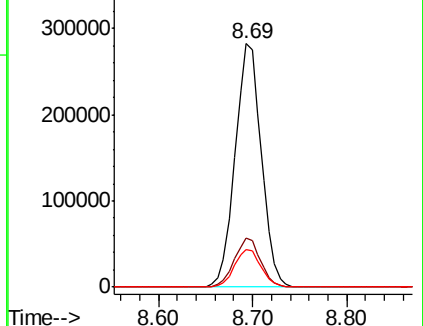
88 15.3 0.0 33.2

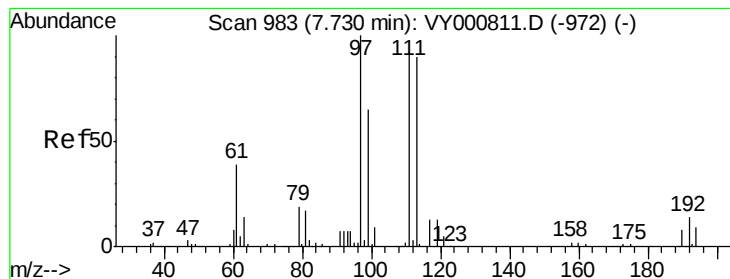


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 49.037 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-120519

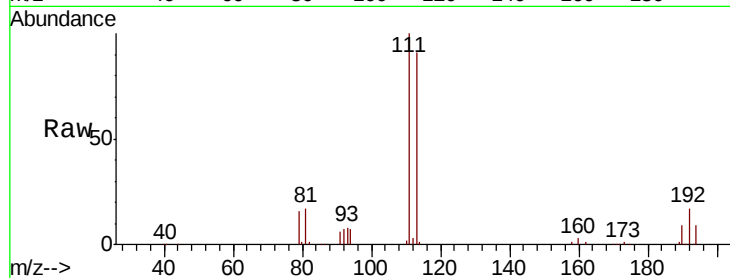
Tot Ion:113 Resp: 156341

Ion Ratio Lower Upper

113 100

111 105.9 82.4 123.6

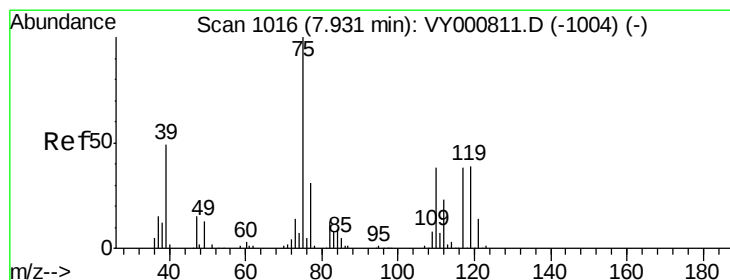
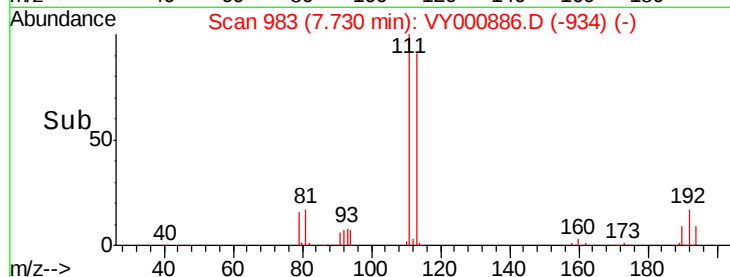
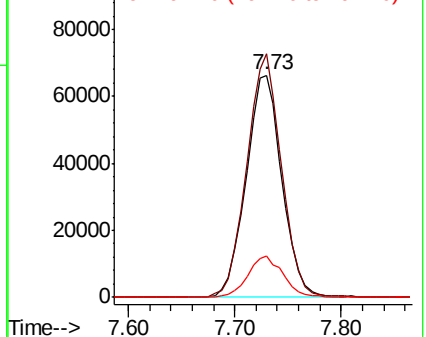
192 18.1 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.304 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

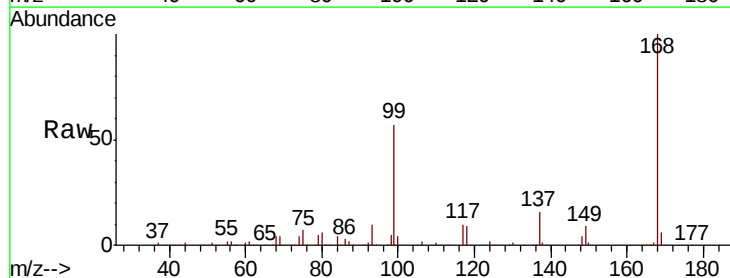
Tgt Ion: 75 Resp: 23409

Ion Ratio Lower Upper

75 100

110 7.4 17.9 53.7#

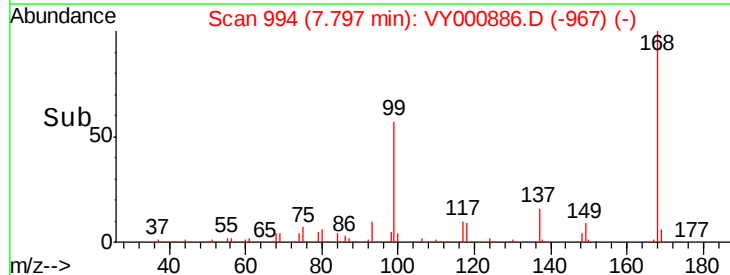
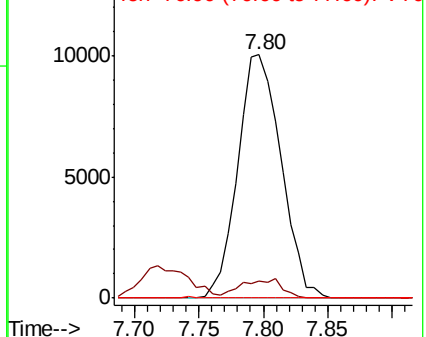
77 0.0 24.7 37.1#

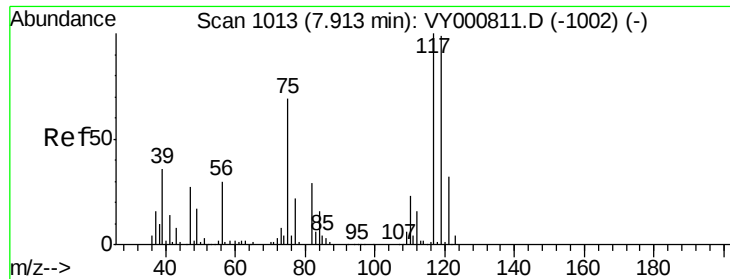


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

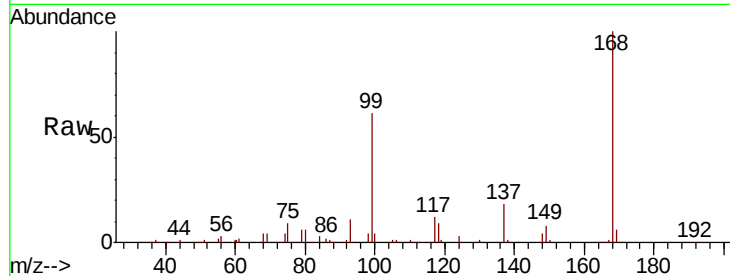




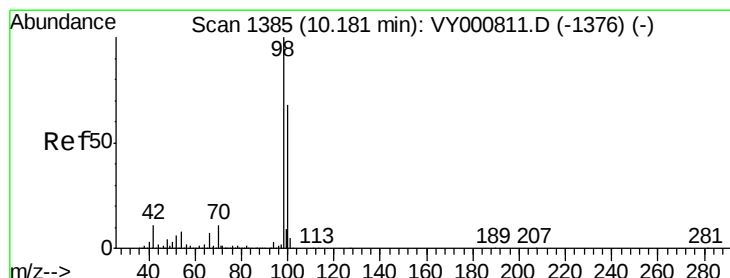
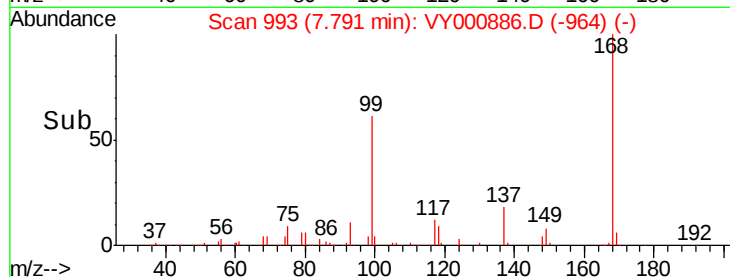
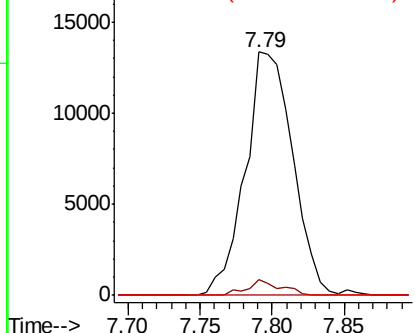
#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-120519

Tot Ion:117 Resp: 30544
Ion Ratio Lower Upper
117 100
119 6.4 79.3 118.9#
121 0.0 25.5 38.3#

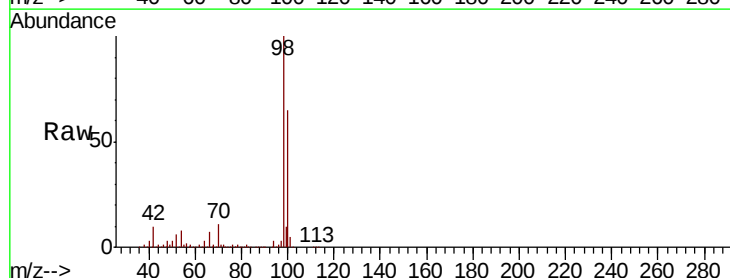


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

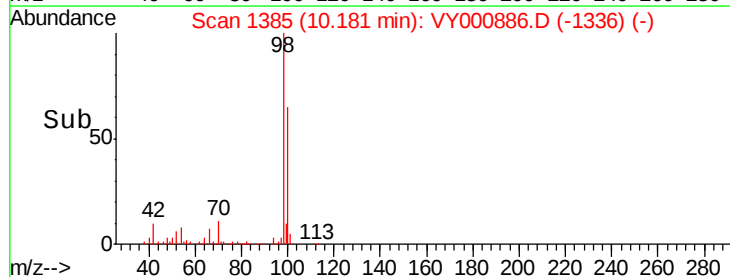
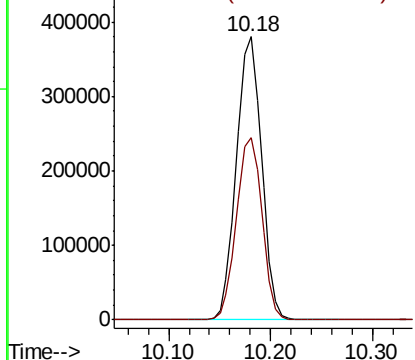


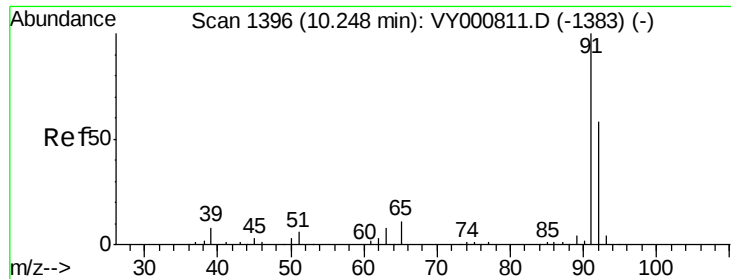
#50
Toluene-d8
Concen: 50.887 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Tgt Ion: 98 Resp: 648624
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.295 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

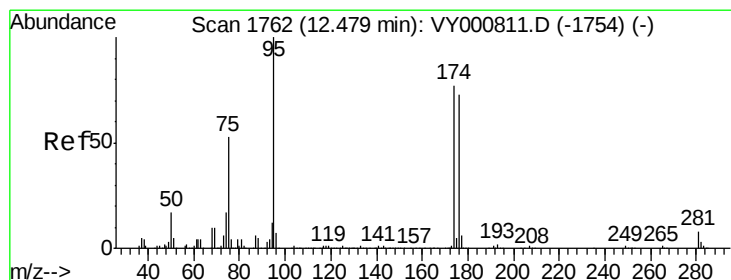
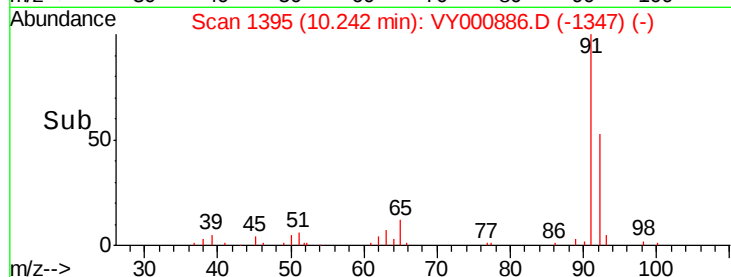
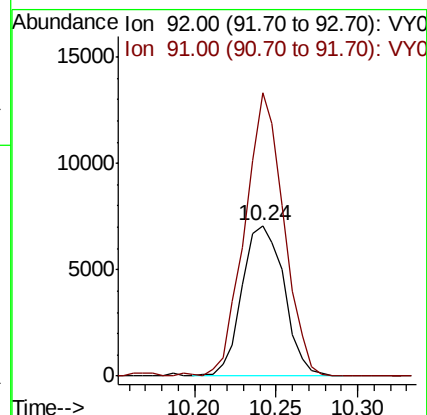
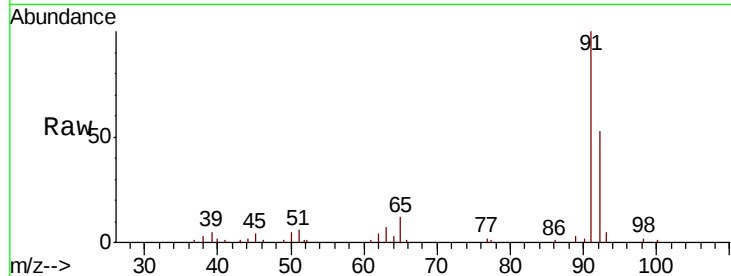
OR-03-120519

Tot Ion: 92 Resp: 12703

Ion Ratio Lower Upper

92 100

91 174.9 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 45.397 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

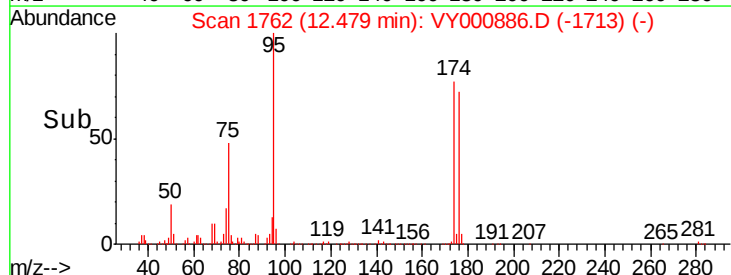
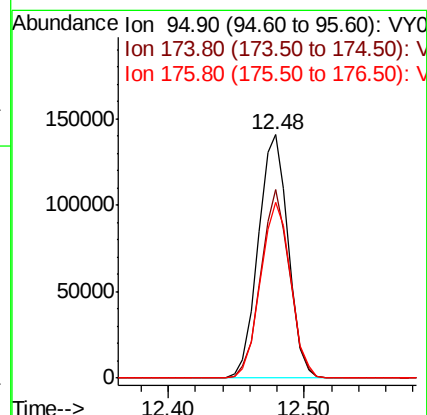
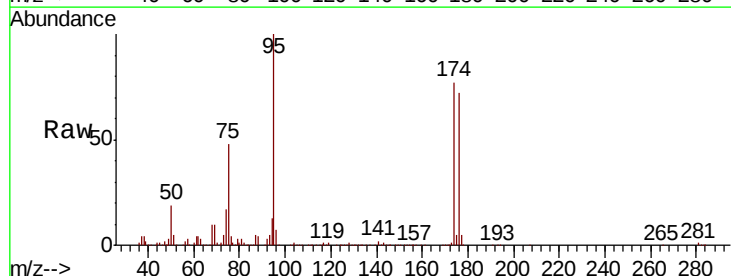
Tgt Ion: 95 Resp: 217314

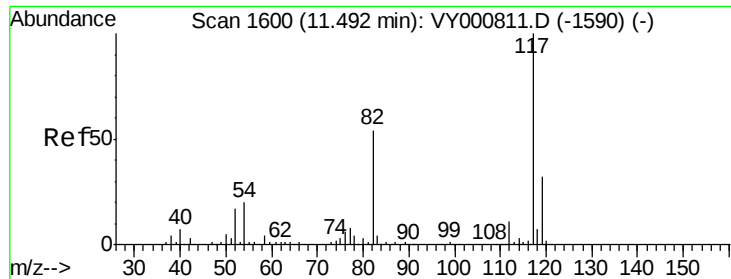
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.6

176 73.1 0.0 145.2

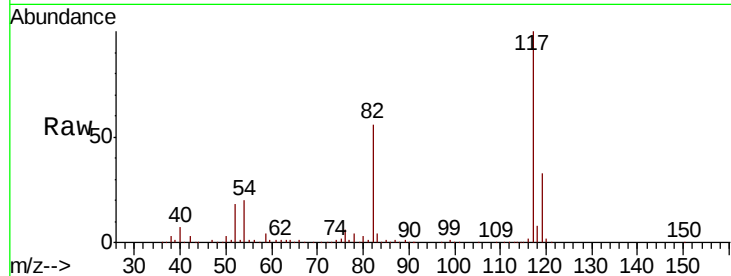




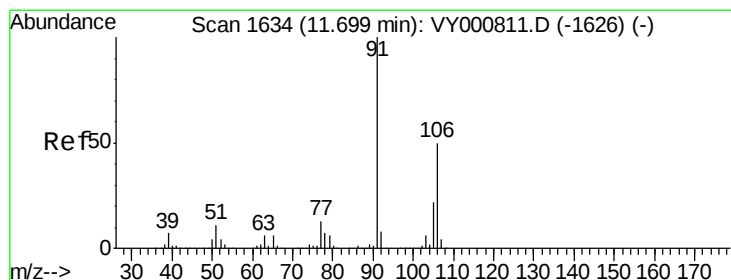
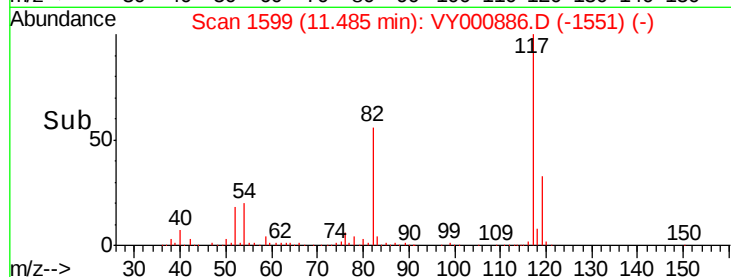
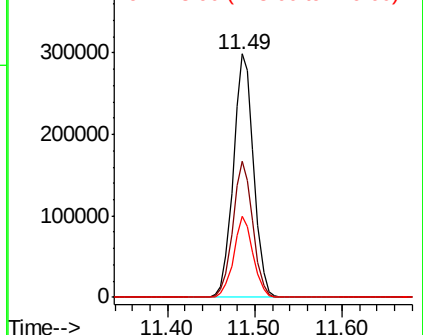
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-120519

Tot Ion:117 Resp: 482799
Ion Ratio Lower Upper
117 100
82 55.8 43.1 64.7
119 33.0 25.3 37.9

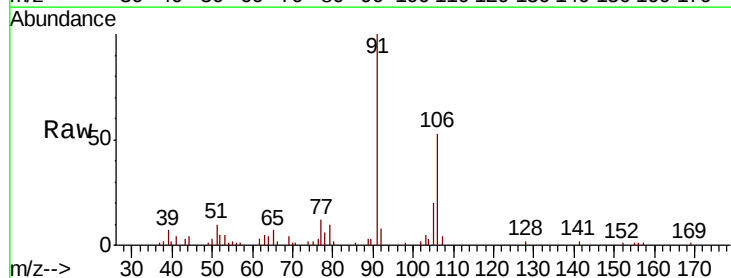


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

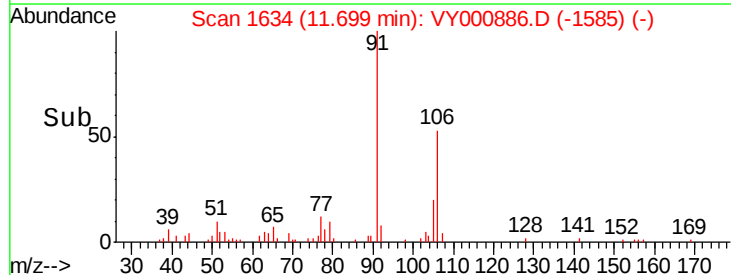
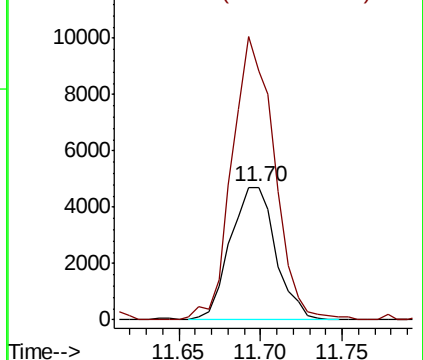


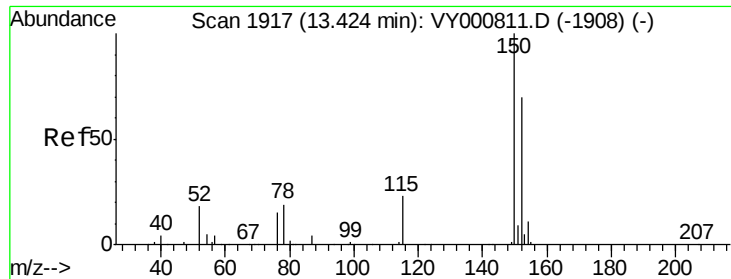
#68
m/p-Xylenes
Concen: 1.308 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Tgt Ion:106 Resp: 9178
Ion Ratio Lower Upper
106 100
91 198.3 159.6 239.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



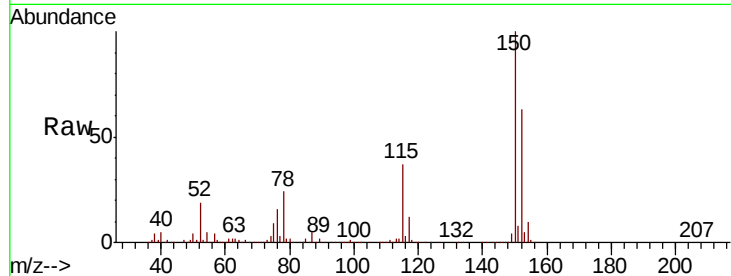


#72

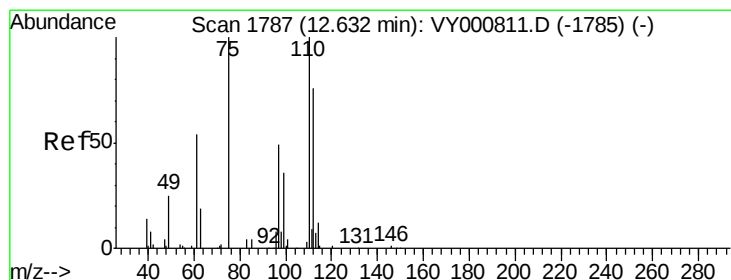
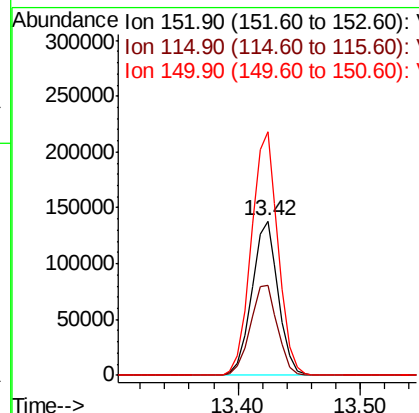
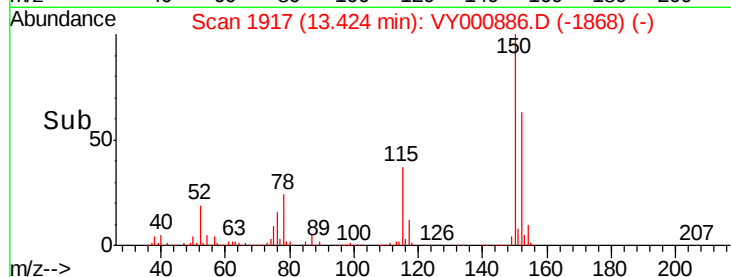
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-120519

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.3	87.8
150	159.8	0.0	351.2



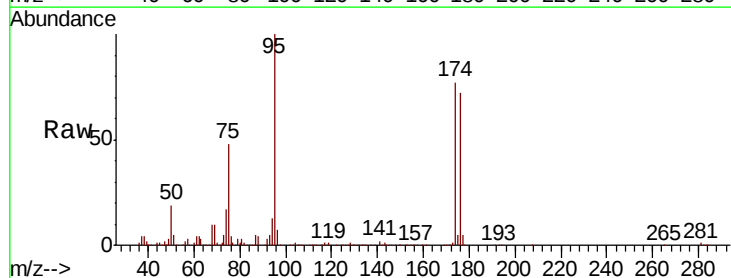
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



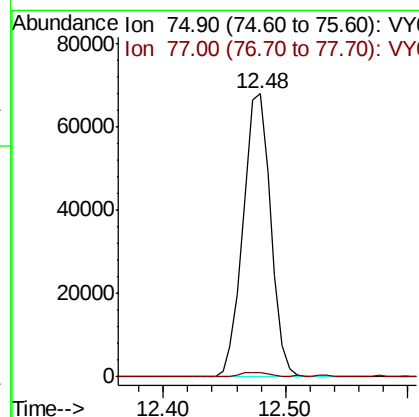
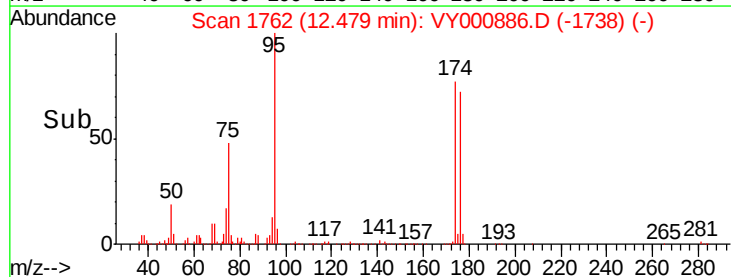
#76

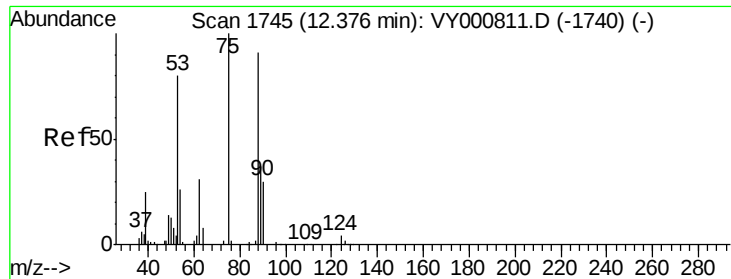
1,2,3-Trichloropropane
Concen: 45.388 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000886.D
Acq: 05 Dec 2019 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 89.154 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-120519

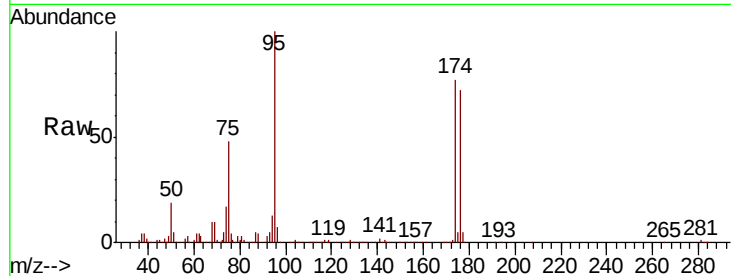
Tot Ion: 75 Resp: 106040

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

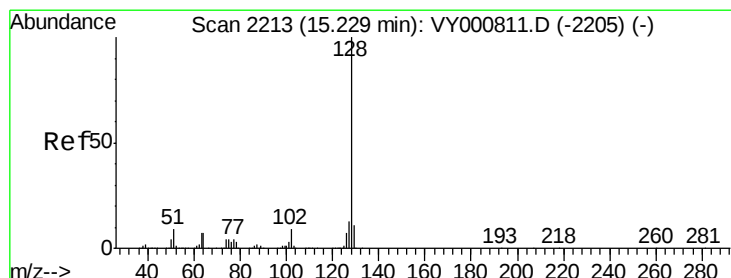
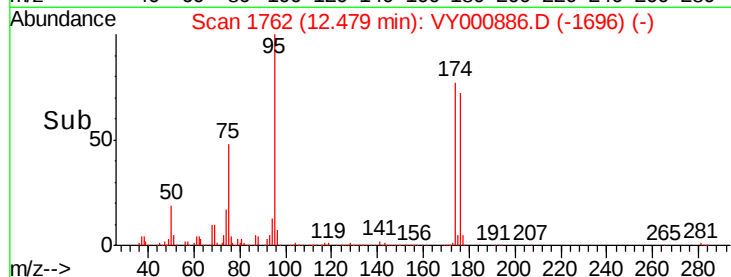
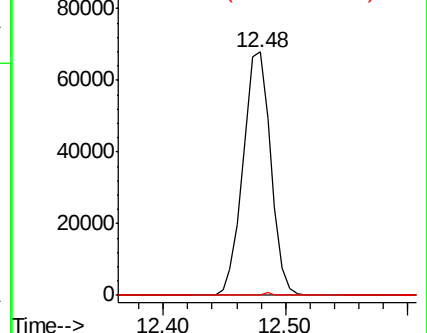
89 0.4 33.6 50.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#95

Naphthalene

Concen: 2.520 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY000886.D

Acq: 05 Dec 2019 17:04

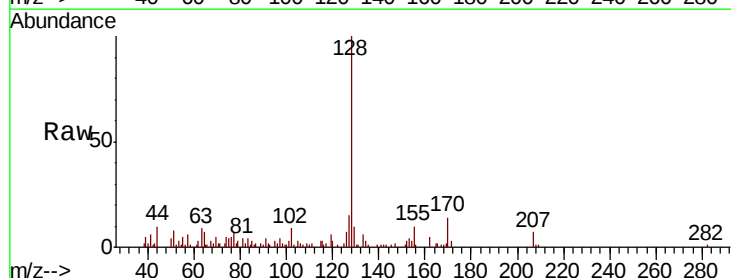
Tgt Ion: 128 Resp: 24869

Ion Ratio Lower Upper

128 100

127 17.0 10.1 15.1#

129 15.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

